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# PRODUCT FORM B-HI 45/12+29

## **FIXOLITE HIGH INSULATION (HI block)**

Reference: B-HI 45/12+29

Fixolite block, made in Belgium.

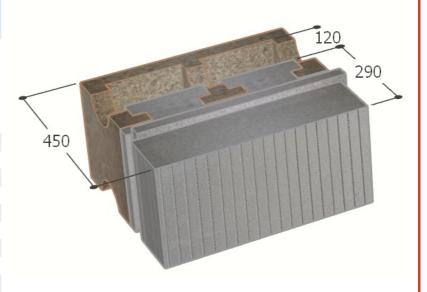
Dimensions are 50 cm wide, 25 cm high  $(1m^2 = 8 \text{ blocks})$ and depth varies according to requirements.

The block is made of wood-cement with external

insulation in fire-retardant expanded polystyrene (density 40 gr/m<sup>3</sup>) from 17 to 34 cm.

The block has no thermal bridges.

	3
Total thickness	45.0 cm
Insulation thickness	29.0 cm
Concrete thickness	12.0 cm
Interior side thickness	4.0 cm
Exterior side thickness	4.0 cm
Concrete volume	95.0 l/m <sup>2</sup>
Density	$\pm$ 510 kg/m <sup>3</sup>
Weight	69.52 kg/m <sup>2</sup>
Thermal insulation $\boldsymbol{\lambda}$	0.10 W/m <sup>2</sup> K
R coefficient	9.09 m²K/W
U coefficient	0.11 W/m <sup>2</sup> K
Sound absorption a	> 90% (100→5000Hz)
Sound insulation	50 dB
Reaction to fire	Non-flammable (M1)
Fire resistance	> 6h (ISO 834)
Rot-proof	✓
Flexural strength	± 200 DaN



#### Fixolite high-insulation block range

Fixolite offers 5 sizes of High Insulation blocks with insulation ranging from 17 to 34 cm. A graphite polystyrene corner block is available for each size.

HI 35/12+19











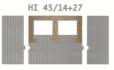
HI 45/12+29













### Notes

Corner block reference:

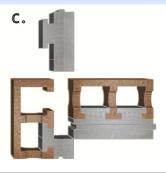
- **B-HI 45.AL** (left)
- B-HI 45.AR (right)

On-site cutouts:

- A. for narrow block
- B. for external angle
- C. for internal angle









## **English version:**

https://fixolite.eu/doc/B\_HI\_45\_12\_29.en.pdf



## Version française:

https://fixolite.eu/doc/B\_HI\_45\_12\_29.fr.pdf

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